Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/24/2021 09:26 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123658	-2	2.23	123622	2.20
Blue	F	SSC	125000	124048	-1	3.97	124487	3.87
Blue	E	FITC	14400	13739	-5	2.90	317	14.93
Blue	D	PE	24713	24125	-3	2.43	552	10.67
Blue	B	PerCP-Cy5-5	31796	31150	-3	3.57	1027	14.33
Blue	A	PE-Cy7	21240	20888	-2	5.54	557	28.67
Red	C	APC	41319	40648	-2	3.24	1705	11.38
Red	A	APC-Cy7	21019	20374	-4	3.58	764	11.42
Violet	B	V450	7305	6921	-6	3.87	421	12.70
Violet	A	V500	28652	27220	-5	3.40	682	10.15

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23126	2.34	561	-8	N/A	N/A	Pass
Blue	F	SSC	57725	2.66	516	4	N/A	N/A	Pass
Blue	E	FITC	58	54.24	488	-3	0.0497	136	Pass
Blue	D	PE	116	36.16	486	-1	0.4404	307	Pass
Blue	B	PerCP-Cy5-5	191	35.14	585	1	0.0210	71	Pass
Blue	A	PE-Cy7	112	65.68	631	1	0.0226	0	Pass
Red	C	APC	392	23.12	573	0	0.0278	97	Pass
Red	A	APC-Cy7	171	26.96	544	-1	0.0068	1180	Pass
Violet	B	V450	59	63.54	453	-3	0.0597	2271	Pass
Violet	A	V500	98	33.48	467	-3	0.0233	571	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.79	-31.53	1.06
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.67	15.99 - 23.99	N/A	N/A	30.05	30.16	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 16297

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments